

Installation Manual

TWM Performance

Short Shift Kit

2003 Hyundai Tiburon 5 speed



1. Unscrew the shift knob and remove the boot.



2. Remove the cover which surrounds the shifter. Pull up on it and it pops out.



3. Remove the screws on either side of the center console. There are 3 sets of screws securing the console. There is one set toward the front of the console, one set near the center as shown in the picture on the left, and one set toward the rear of the console.



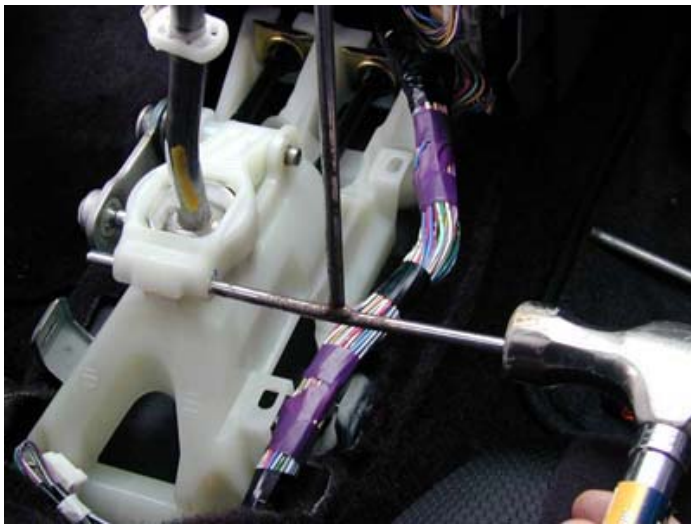
4. Remove the 2 screws at the front of the console. Once these screws have been removed The console just lifts out.



5. Carefully slide an exacto knife under the clip on the right side of the assembly to remove it. **CAUTION :** Be extremely careful in this step, if the knife is torqued too hard the blade could break and become a dangerous projectile.



6. Insert a flat head screw driver into the gap created by the exacto knife to pry the clip off.



7. Use a punch to drive out the pin on the opposite side of the shifter. Tap lightly with a hammer until the pin is driven out of the assembly.



8. Remove the clip on the left side of the assembly.



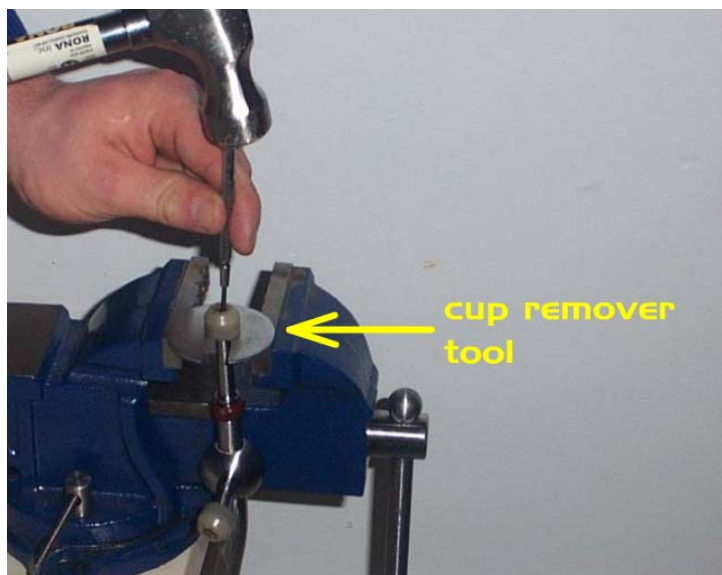
9. Remove the four bolts securing the assembly to the chassis. Remove the steel inserts from the rubber bushings by pushing them out through the bottom of the bushing. Push the rubber bushings out through the bottom of the plastic assembly. Now insert the aluminum bushings included with the kit in place of the rubber ones you just removed. They will slide in beneath the plastic assembly, be sure their smallest diameter is facing up and is inserted into the hole in the assembly. Place a bolt and washer included in the kit through the assembly and bushing, tighten later.

10. Lift up the assembly and remove the bottom clip holding the shifter to the linkage.

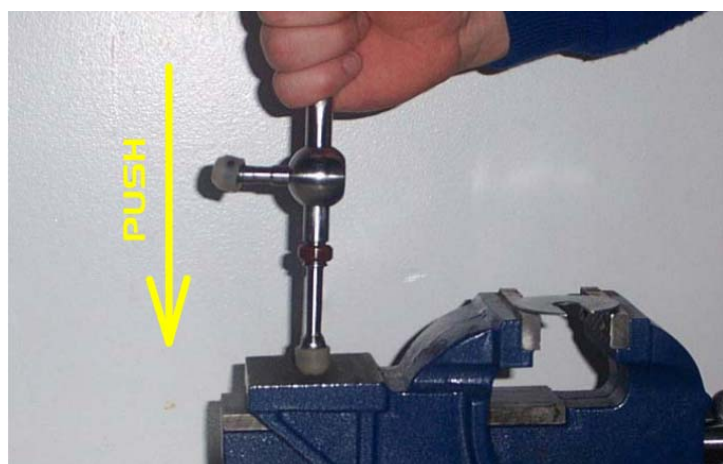


11. Pull out the pin and the 'L' shaped arm which was held on by the clip and remove the shifter.





12. Use the cup remover tool included with the kit to remove both plastic cups on the original shifter. To do so, place the cup remover tool on top of the open jaws of a vice, the jaws should be approximately 1" apart. Hang the shifter from the tool as shown, be sure the shifter is inserted completely into the slot in the tool. Insert a punch into the center hole through the plastic cup and tap firmly with a hammer to separate the original shifter from cup. Repeat for 2nd cup.



13. Install the plastic cups which you removed from the original shifter onto the TWM shifter. Grease the cups and pivot balls. Place the cup on a firm surface and push the TWM shifter into it until it pops in.



14. Lightly grease the large pivot ball before installing the TWM shifter into the plastic assembly in place of the stock shifter.



15. Re-install the clip on the bottom of the shifter.



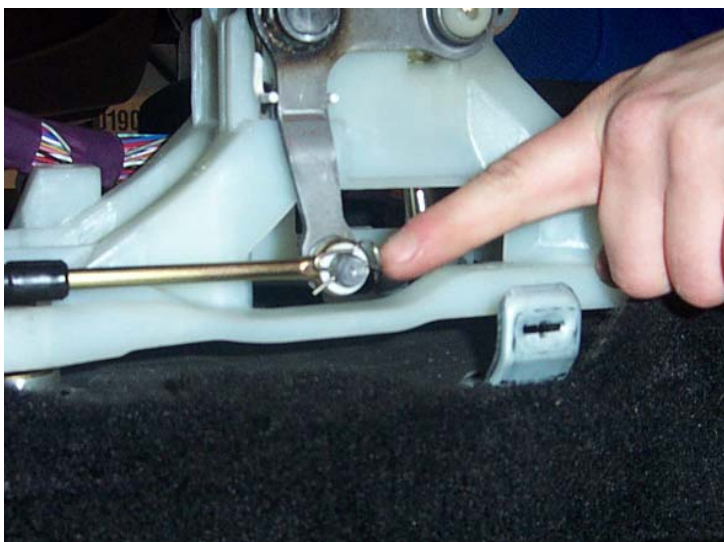
16. Replace the top plastic retaining ring and rubber grommet.



17. Replace the top part of the assembly, drive the rear pin back in, and re-insert the L shaped shift arm.



18. Install the clip included in the kit onto the shaft at the front of the assembly. Drive the clip on with a 12mm socket to secure it properly against the plastic assembly. Be sure the shaft is pushed all the way into the assembly and the clip is on all the way so there is no free play.



19. Re-install the clip on the driver's side of the L shaped shift arm. Bolt the assembly back to the chassis using the 4 bolts and washers included with the kit.



20. Re-install the console, boot, and shift knob and you're ready to drive.

